# Rabbit anti-Human PI3CKG Polyclonal Antibody | anti-PIK3CG antibody

PI3CKG Antibody (C-term)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA287753** | **Rabbit** | **Human** | **Immunohistochemistry, ELISA, Western Blot** |

## PRODUCT SYNONYMS

PI3CKG; Polyclonal Antibody; PI3CKG Antibody (C-term); Phosphatidylinositol 4; 5-bisphosphate 3-kinase catalytic subunit gamma isoform; PI3-kinase subunit gamma; PI3K-gamma; PI3Kgamma; PtdIns-3-kinase subunit gamma; 5-bisphosphate 3-kinase 110 kDa catalytic subunit gamma; PtdIns-3-kinase subunit p110-gamma; p110gamma; Phosphoinositide-3-kinase catalytic gamma polypeptide; Serine/threonine protein kinase PIK3CG; p120-PI3K; PIK3CG; anti-PIK3CG antibody

## PRODUCT SPECIFICATIONS

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| **Host** | Rabbit |
| **Reactivity** | Human |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit Ig |
| **Specificity** | This PI3CKG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1041-1070 amino acids from the C-terminal region of human PI3CKG. |
| **Purity/Purification** | Purified Rabbit Polyclonal Antibody (Pab) |
| **Form/Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| **Concentration** | Vial Concentration: 2 (varies by lot) |
| **Sequence Positions** | 1041-1070 |
| **Sequence Length** | 1,102 |
| **Applicable Applications for anti-PIK3CG antibody** | IHC (Immunohistochemistry), ELISA, WB (Western Blot) |
| **Antigen Type** | Synthetic Peptide |
| **Antigen Source** | HUMAN |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

## IMAGES

**IHC (Immunohistochemisry)**
Formalin-fixed and paraffin-embedded human muscle tissue tissue reacted with PI3CKG antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

**WB (Western Blot)**
Western blot analysis of anti-PIK3CG Antibody (C-term) Pab in 293 cell line lysates transiently transfected with the PIK3CG gene (2ug/lane). PIK3CG(arrow) was detected using the purified Pab.

**WB (Western Blot)**
Western blot analysis of anti-PI3CKG Antibody (C-term) Pab in Hela cell line lysates (35ug/lane). PI3CKG (arrow) was detected using the purified Pab.

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-PIK3CG antibody** | This gene encodes a protein that belongs to the pi3/pi4-kinase family of proteins. The gene product is an enzyme that phosphorylates phosphoinositides on the 3-hydroxyl group of the inositol ring. It is an important modulator of extracellular signals, including those elicited by E-cadherin-mediated cell-cell adhesion, which plays an important role in maintenance of the structural and functional integrity of epithelia. In addition to its role in promoting assembly of adherens junctions, the protein is thought to play a pivotal role in the regulation of cytotoxicity in NK cells. The gene is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias. |
| **Product Categories/Family for anti-PIK3CG antibody** | Cancer; Immunology; Signal Transduction |
| **References** | Andreozzi, F., et al., Endocrinology 145(6):2845-2857 (2004).<br>Reddy, S.A., et al., Biochem. Biophys. Res. Commun. 316(4):1022-1028 (2004).<br>Osaki, M., et al., J. Cancer Res. Clin. Oncol. 130(1):8-14 (2004).<br>Khan, N.A., et al., J. Neurovirol. 9(6):584-593 (2003).<br>Theberge, J.F., et al., Arch. Biochem. Biophys. 420(1):9-17 (2003). |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 539846630 |
| **NCBI GeneID** | 5294 |
| **NCBI Accession #** | NP_001269355.1; NP_001269356.1; NP_002640.2 |
| **NCBI GenBank Nucleotide #** | NM_001282426.1 |
| **UniProt Accession #** | P48736; Q8IV23; Q9BZC8; A4D0Q6 |
| **Molecular Weight** | 126454 |
| **NCBI Official Full Name** | phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform |
| **NCBI Official Synonym Full Names** | phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma |
| **NCBI Official Symbol** | PIK3CG |
| **NCBI Official Synonym Symbols** | PI3K; PIK3; PI3CG; PI3Kgamma; p110gamma; p120-PI3K |
| **NCBI Protein Information** | phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform |
| **UniProt Protein Name** | Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform |
| **UniProt Gene Name** | **PIK3CG** |
| **UniProt Synonym Gene Names** | PI3-kinase subunit gamma; PI3K-gamma; PI3Kgamma; PtdIns-3-kinase subunit gamma; PtdIns-3-kinase subunit p110-gamma; p110gamma |
| **UniProt Entry Name** | PK3CG_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/pi3ckg-antibody-immunohistochemistry-western-blot-elisa/287753